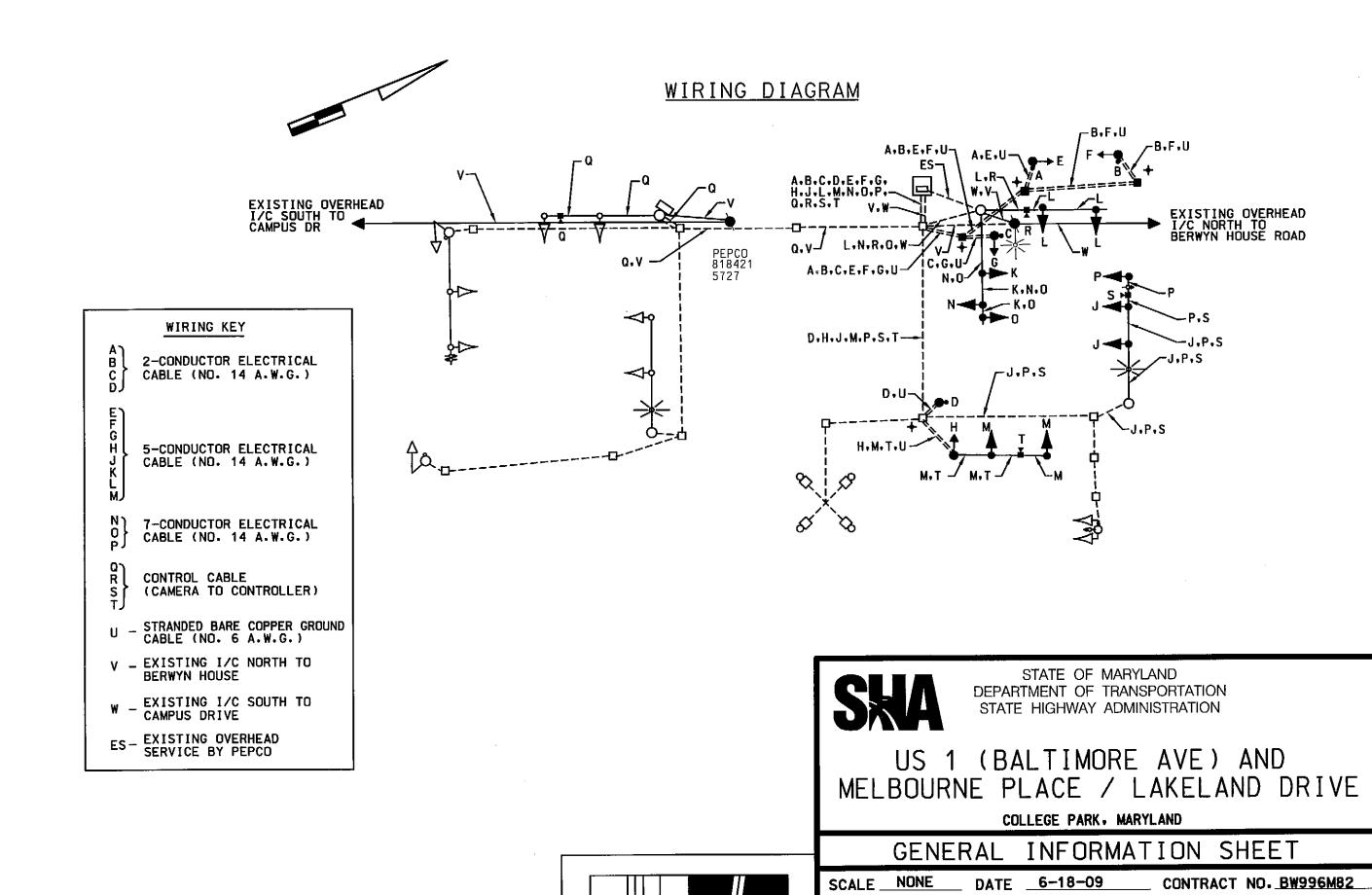
| Ι. | GENERAL | PROJECT DESCRIPTION | | | | |
|--|--|---|---|--|--|--|
| | at the inter A fourth leg shall be ins at US 1 and shall be ins | involves the modification of section of US 1 and Melbourn on the westside of the intersection and Lakeland Road. Countdown pedestalled. US 1 is assumed to run | e Place in Prince Ge section is to be add d one video camera s strian sianals with | orge's County. ed. Video detection hall also be installed audible pushbuttons | | |
| | NTERSECTION OPERATION The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the US 1 approaches running concurrently. An Exclusive left turn phase shall be added along northbound US 1 at Melbourne and shall operate with the existing overlap clearance phase. Countdown pedestrian phases with audible pushbutton actuation shall be provided across the south and west leg of the intersection. The Melbourne Place / Driveway approaches shall also run concurrently. | | | | | |
| , | interfo 3. SHA Sid | The existing size "6" base-mounted cabinet and controller shall be used. Video interface and all associated equipment shall be added. SHA Sianal Shop shall install APS control unit into controller cabinet. The | | | | |
| III. | contrac | | | | | |
| | ibuloxe label e | he Contractor shall be responsible for terminating all signal cables, xcluding interconnect, to the appropriate terminals and shall properly abel each cable. | | | | |
| | Contact advance | All controller cabinet wiring will be performed by the S.H.A. Signal Shop contact Mr. Ed Rodenhizer at (410) 787—7652 seventy—two hours in advance of intended work. | | | | |
| | and may Miss Ut field. | All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved. | | | | |
| | | will function as follows: (BALTIMORE AVENUE) SOUTHSIDE | | | | |
| | | a. When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will announce" Wait to cross Baltimore at Melbourne." | | | | |
| FOR | b. When WALK phase begins, the message will be a rapid tick which will last for the duration of the WALK phase. FOR COCHRANE STUDENT HOUSING DRIVEWAY, WESTSIDE | | | | | |
| | | When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will announce "Wait to cross Driveway at Baltimore." | | | | |
| last for the duration of the WALK phase. | | | | | | |
| | The contact persons for District #3 (Prince George's County) are as follows: Mr. Brian Young Mr. Richard L. Daff, Sr. | | | | | |
| | Assistant District Engineer – Traffic Chief, Traffic Operations Division Phone: (301) 513–7318 Phone: (410) 787–7630 | | ic Operations Division) 787–7630 | | | |
| | Mr. Vernon Stinnett Jr. Assistant District Engineer Maintenance Phone: (301) 513-7304 | | Chief, Signa | Mr. Ed Rodenhizer Chief. Signal Operations Section 410-787-7652 | | |
| | Mr. Augie Rebish Assistant District Engineer - Utility Phone: (301) 513-7350 Mr. Sonny Bailey Chief Sign Shop 410-787-7676 | | | | | |
| EQUIPMENT LIST | | | | | | |
| A. EQUIPMENT TO BE FURNISHED BY THE SHA THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA | | | | | | |
| | B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR | | CONTRACTOR | | | |
| | SPEC. NUMBER | DESCRIPTION | QUA | NTITY | | |
| | 814 | 12", one-way, three-sectio (R,Y,G) LED traffic signal with adjustable bracket fo mast arm mounting and tunnel visors. | head | EA | | |
| | 814 | 12", one-way, three-sectio (RA,YA,GA) (left arrows) LED traffic signal head wi with adjustable bracket fo mast arm mounting and tunnel visors. | th | EA | | |
| | 814 | 16", one-way, LED (DW, W) symbolic pedestrian signal head with adjustabl bracket for post top mount cutaway visors. (Countdown | e ing and | EA | | |
| | 81 <i>4</i> | 16", one-way, LED (DW, W) symbolic pedestrian signal signal pole mounted and cu visors (Countdown Display) | taway | EA | | |
| | 205 | Test pit excavation. | 5 | C.Y. | | |
| | 206 601 | Remove existing sidewalk. 5" concrete sidewalk. | 20 20 | | | |
| | 801 | Furnish and install concre | | | | |
| | 813 | Ground mounted sheet alumito consist of: | num signs 4 | S.F. | | |
| | | Pedestrian education R sign. (Note: Sign to "PUSHBUTTON TO CROSS BALTIMORE AVENUE".) | | EA | | |
| | | Pedestrian education R sign. (Note: Sign to "PUSHBUTTON TO CROSS DRIVEWAY".) | 10-3(1) 2 read | EA | | |
| | | • | | | | |

| В. | EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY | THE CON | TRACTOR (CON'T) | |
|-----------------|---|---------|-----------------|--|
| SPEC. NUMBER | DESCRIPTION | | QUANTITY | |
| 556 | 5" white permanent preformed thermoplastic pavement marking | 90 | L.F. | |
| 556 | 5" yellow permanent preformed thermoplastic pavement marking | 380 | L.F. | |
| 556 | 12" white heat applied permanent preformed thermoplastic pavement marking | 290 | L.F. | |
| 556 | 24" white heat applied permanent preformed thermoplastic pavement marking (Left) | | L.F. | |
| 556 | Furnish and install heat applied permanent preformed thermoplastic pavement marking arrow. | 1 | EA | |
| | Remove existing pavement markings | 975 | L.F. | |
| 805 | Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit – trenched | 90 | L.F. | |
| 805 | Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit – bored. | 100 | L.F. | |
| 807 | Furnish and install 16.5' steel pole with a special 15' "T" with 50' mast arm (mast arm is to be cut down to 42') | 1 | EA | |
| 811 | Furnish and install electrical handhole. | 3 | EA | |
| 810 | Furnish and install 2-conductor electrical cable (No. 14 A.W.G.). | 380 | L.F. | |
| 810 | Furnish and install 5-conductor electrical cable (No. 14 A.W.G.). | 875 | L.F. | |
| 810 | Furnish and install 7-conductor electrical cable (No. 14 A.W.G.). | 370 | L.F. | |
| 810 | Furnish and install ground rod $-34^{\prime\prime}$ x 10'. | 4 | EA | |
| 810 | Furnish and install No. 6 AWG stranded bare copper ground wire. | 300 | L.F. | |
| | Furnish and install 10' breakaway pedestal pole with transformer base. | 3 | EA | |
| | Furnish and install 5' breakaway pedestal pole with transformer base | 1 | EA | |
| | Terra interface panel | 1 | EA | |
| | Terra Access Port | 1 | EA | |
| | Terra Video camera detector with control cable (up to 500'). | 4 | EA | |
| | Remove and dispose of existing signal equipment and material (including signal fouondation 12" below grade). | lump | sum | |
| | 2-wire central control unit | 1 | EA | |
| | Audible/tactile pedestrian pushbutton station & signs. | 4 | EA | |
| | Remove existing curb and gutter | 40 | L.F. | |
| | Install Type A curb and gutter. | 40 | L.F. | |
| | | | | |

PHASE CHART PHASE 2 & 6 2 & 6 CHANGE OVERLAP CLEARANCE AND NORTH BOUND LEFT TURN CLEARANCE CHANGE PHASE 4 & 8 4 & 8 CHANGE ALT PHASE 8 PED CLEARANCE ALT 8 CHANGE PRE-EMPTION - 1 PRE-EMPTION -2 CHANGE FLASHING OPERATION



STREET TRAFFIC STUDIES, LTD. 400 Crain Hwy.,N.W. Gien Burnie,MD 21061

Ph (410) 590-5500 Fax (410) 590-6637

5273gi.dgn

PLOTTED: \$DATETIME\$
FILE: \$FILE\$

DESIGNED BY R R ZACHERL

DRAWN BY_

CHECKED BY

F.A.P. NO._

COUNTY PRINCE GEORGE'S

LOGMILE 16000104.48

TOD NO.

TS NO. 3218 DRAWING NO. 2 OF 2 SHEET NO.